



SEQUENCE LISTING

<110> Kenten, John H.  
Roberts, Steven  
Lohnas, Gerald

<120> HEAT SHOCK FUSION-BASED VACCINE SYSTEM

<130> CIP OF IGN-9601

<140> 09/374,721

<141> 1999-08-13

<150> 09/026,276

<151> 1998-02-19

<160> 35

<170> PatentIn Ver. 2.0

<210> 1

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 1

Cys Thr Arg Pro Asn Asn Asn Thr Arg Lys Ser Ile His Ile Gly Pro  
1 5 10 15

Gly Arg Ala Phe Tyr Thr Thr Gly Glu Ile Ile Gly Asp Ile Arg Gln  
20 25 30

Ala His Cys  
35

<210> 2

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

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<400> 2

Lys Arg Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr Lys  
1 5 10 15

<210> 3

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 3

Cys Lys Ser Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr Gly  
1 5 10 15

Cys

<210> 4

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

<400> 4

ttaagactgc gtggcggcga ccaggttcac ttccagccgc tgccgccggc 50

<210> 5

<211> 37

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR Primer

<400> 5

tggtgttaaa ctgtctgacg ctctgtaagc ttctgca 37

<210> 6

<211> 43

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:PCR primer

<400> 6

gaagcttaca gagcgtcaga cagtttaaca acagccggcg gca

43

<210> 7

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

<400> 7

gcggctggaa gtgaacctgg tcgccgccac gcagtc

36

<210> 8

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

<400> 8

ttaagactgc gtggcgctga ccaggttcac ttccagccgc tgccgccggc

50

<210> 9

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

<400> 9

gcggctggaa gtgaacctgg tcagcgccac gcagtc

36

<210> 10

<211> 55

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR primer

<400> 10  
aagaaatcca catcggtccg ggtcgtgctt tctacaccac catcccgcgcg gatca 55

<210> 11  
<211> 54  
<212> DNA  
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<223> Description of Artificial Sequence: PCR primer

<400> 11  
atccggcggg atggtggtgt agaaagcacg acccggaccg atgtggattt cttt 54

<210> 12  
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<212> DNA  
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<220>  
<223> Description of Artificial Sequence: PCR primer

<400> 12  
ttaagactgc gtggcggcat ccacatcggt ccg 33

<210> 13  
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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PCR primer

<400> 13  
ggtcgtgctt tctacaccac ctaactgca 29

<210> 14  
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<223> Description of Artificial Sequence: PCR primer

<400> 14  
gttaggtggt gtagaaagca cgacccggac cgat 34

<210> 15  
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<212> DNA  
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<223> Description of Artificial Sequence: PCR primer

<400> 15  
gtggatgccg ccacgcagtc 20

<210> 16  
<211> 12  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 16  
Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Thr Thr  
1 5 10

<210> 17  
<211> 19  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 17  
Asp Gln Val His Phe Gln Pro Leu Pro Pro Ala Val Val Lys Leu Ser  
1 5 10 15

Asp Ala Leu

<210> 18  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 18

Lys	Glu	Asp	Val	Cys	Ala	Gln	Val	His	Pro	Gln	Lys	Val	Thr	Lys	Phe
1				5					10					15	

Met Leu Cys Ile Pro Pro  
20

<210> 19

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 19

Lys	Glu	Asp	Val	Cys	Ala	Gln	Val	His	Pro	Gln	Lys	Val	Thr	Lys	Phe
1				5					10					15	

Met Leu Cys Met Pro Pro  
20

<210> 20

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 20

Lys	Glu	Cys	Ala	Gln	Val	His	Pro	Gln	Lys	Val	Thr	Lys	Phe	Met	Leu
1				5					10					15	

Cys Ile Pro Pro  
20

<210> 21

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 21

Lys Glu Cys Ala Gln Val His Pro Gln Lys Val Thr Lys Phe Met Pro  
1 5 10 15

Pro

<210> 22

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 22

Arg Gly Gly Ser Leu Arg Arg Ser Ser Cys Phe Gly Gly Arg Met Asp  
1 5 10 15

Arg Ile Gly Ala Gln Ser Gly Leu Gly Cys Asn Ser Phe Arg Tyr  
20 25 30

<210> 23

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 23

Arg Gly Gly Asp Tyr Lys Asp Asp Asp Asp Lys  
1 5 10

<210> 24

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 24

Arg	Gly	Ala	Leu	Tyr	Thr	Lys	Val	Val	His	Tyr	Arg	Lys	Trp	Ile	Lys
1					5				10					15	

Asp	Thr	Ile	Val	Ala	Asn	Pro
					20	

<210> 25

<400> 25

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<210> 26

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 26

Gln	His	Trp	Ser	Tyr	Gly	Leu	Arg	Pro	Gly	Gln	His	Trp	Ser	Tyr	Gly
1					5				10					15	

Leu	Arg	Pro	Gly
			20

<210> 27

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 27

Asp	Asp	Pro	Lys	Thr	Gly	Gln	Phe	Leu	Gln	Gln	Ile	Asn	Ala	Tyr	Ala
1					5				10					15	



Arg Pro Ser Glu Val  
20

<210> 28  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 28  
Glu His Trp Ser Tyr Gly Leu Arg Pro Gly  
1 5 10

<210> 29  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 29  
Glu His Trp Ser Tyr Gly Leu Arg Pro Gly Glu His Trp Ser Tyr Gly  
1 5 10 15

Leu Arg Pro Gly  
20

<210> 30  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 30  
Glu His Trp Ser Tyr Gly Leu Arg Pro Gly Gln His Trp Ser Tyr Gly  
1 5 10 15

Leu Arg Pro Gly  
20

<210> 31  
<211> 20  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 31  
Gln His Trp Ser Tyr Gly Leu Arg Pro Gly Glu His Trp Ser Tyr Gly  
1 5 10 15

Leu Arg Pro Gly  
20

<210> 32  
<211> 10  
<212> PRT  
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<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 32  
Gln His Trp Ser Tyr Gly Leu Arg Pro Gly  
1 5 10

<210> 33  
<400> 33  
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<210> 34  
<211> 41  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 34

Gln His Trp Ser Tyr Gly Leu Arg Pro Gly Gln His Trp Ser Tyr Gly  
1 5 10 15

Leu Arg Pro Gly Gln His Trp Ser Tyr Gly Leu Arg Pro Gly Gln His  
20 25 30

Trp Ser Tyr Gly Leu Arg Pro Gly Cys  
35 40

<210> 35

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: polypeptide  
antigen

<400> 35

Gln His Trp Ser Tyr Gly Leu Arg Pro Gly Gln His Trp Ser Tyr Gly  
1 5 10 15

Leu Arg Pro Gly Gln His Trp Ser Tyr Gly Leu Arg Pro Gly Gln His  
20 25 30

Trp Ser Tyr Gly Leu Arg Pro Gly  
35 40

B<sup>1</sup>  
Cmt

